IN THE CLAIMS:

1-24. (canceled)

25. (currently amended) ~~The method of claim 24 further comprising~~ A method for detaching apart the membrane and mineral fractions of empty broken egg shells comprising the steps of:

supplying empty broken egg shells, inclusive of a water content, inherently some of which is presumptively contained in the gas-exchange pores of the egg shells that extend through both the membrane and mineral layers thereof;

providing a main processor that operates at a level of vacuum;

at a relatively elevated pressure, pre-heating the empty broken egg shells in order to elevate the bulk temperature to above what corresponds to the boiling temperature for water within the main processor's vacuum level;

introducing the pre-heated empty broken egg shells into the main processor whereby a small percentage of the water content flashes into steam, this presumptively promoting the membrane fraction to eject or detach from attached or adhered shards or powder of the mineral fraction; and

providing the main processor with a throughput of a hot pneumatic carrier for syphoning up and suspending suspension particles from out of the detaching membrane and mineral fractions.

26. (original) The method of claim 25 further comprising a vacuum source connected to a vacuum port in the main processor to suction out a pneumatic stream comprising the pneumatic carrier, vapors, and suspension particles.

27. (original) The method of claim 26 further comprising a separation process between the vacuum source and the vacuum port of the main processor to separate the pneumatic stream into one set of components comprising substantially particle matter including substantially both liberated membrane petals and else shards or powder of the mineral fraction as well as into another set of components comprising variously the pneumatic carrier, vapors and perhaps ultra-fine particulate matter as dried albumen dust.

28. (original) The method of claim 25 wherein the hot pneumatic carrier comprises a hot dry clean gas including hot air or, alternatively, hot flue/exhaust gases from a combustion process.

29. (currently amended) The method of claim [[24]] 25 wherein the level of vacuum inside the main processor is preferably achieved down to or below essentially ⅔rds an atmosphere as the relatively elevated pressure of the pre-heating process comprises generally the local barometric pressure of the geographic vicinity where said method is being carried out.

30. (currently amended) The method of claim [[24]] 25 wherein said pre-heated empty broken egg shells are introduced into the main processor at a bulk temperature measuring up to or about 90°C.

31-45. (not entered)

31-45. (canceled)

46. (new) Eggshell membrane product liberated from broken empty eggshells in accordance with the method of claim 25.

47. (new) A process line for inputting broken empty eggshells and outputting liberated eggshell membrane product in accordance with the method of claim 25.

48. (new) A method of recovering eggshell membrane from eggshells, comprising the steps of:

introducing empty broken eggshells from a higher pressure environment to a lower pressure environment while withdrawing suspension particles comprising liberated membrane petals and shreds by producing a pneumatic current through the lower pressure environment.

49. (new) The method of claim 48 wherein the pneumatic current is produced by suctioning a current of carrier gas through the lower pressure environment.

50. (new) The method of claim 48 further comprising suctioning the lower pressure environment by a suction source, and interposing a separation process between the suction source and lower pressure environment to separate the membrane petals and shreds from about all else.

51. (new) The method of claim 48 further comprising heating the higher pressure environment such that the empty broken eggshells are introduced from a heated higher pressure environment.

52. (new) The method of claim 48 further comprising withdrawing non-suspending residuals by mechanical conveyance.

53. (new) Eggshell membrane product acquired from broken empty eggshells in accordance with the method of claim 48.

54. (new) A process line for inputting broken empty eggshells and outputting liberated eggshell membrane product in accordance with the method of claim 48.

55. (new) A method of recovering eggshell membrane from eggshells, comprising the steps of:

preheating broken empty egg-shells;

subjecting the pre-heated broken empty egg-shells to a vacuum; and

withdrawing suspension particles comprising liberated membrane petals and shreds by producing a pneumatic current through the vacuum.

56. (new) The method of claim 55 wherein the pneumatic current is produced by suctioning a current of carrier gas through the vacuum.

57. (new) The method of claim 55 further comprising suctioning the vacuum by a suction source, and interposing a separation process between the suction source and vacuum to separate the membrane petals and shreds from about all else.

58. (new) The method of claim 55 wherein the pneumatic current comprises a hot dry clean gas including hot air or, alternatively, hot flue/exhaust gases from a combustion process.

59. (new) The method of claim 55 further comprising withdrawing non-suspending residuals from the vacuum by mechanical conveyance.

60. (new) Eggshell membrane product acquired from broken empty eggshells in accordance with the method of claim 55.

61. (new) A process line for inputting broken empty eggshells and outputting liberated eggshell membrane product in accordance with the method of claim 55.

62. (new) A method of recovering eggshell membrane from eggshells, comprising the steps of:

preheating broken empty egg-shells in a higher pressure environment, then subjecting the pre-heated broken empty egg-shells to a lower pressure environment; and

pneumatically syphoning away suspension particles, comprising liberated membrane petals or shreds, apart from non-suspending residuals.

63. (new) The method of claim 62 wherein the step of pneumatically syphoning is carried out by syphoning to a suction source, and disposing a separation process before the suction source in order to separate the membrane petals and shreds from about all else.

64. (new) The method of claim 62 wherein the step of pneumatically syphoning induces the intake of a pneumatic carrier, which comprises a dry clean gas including air or, alternatively, flue/exhaust gases from a combustion process.

65. (new) The method of claim 62 further comprising applying mechanical conveyance to the non-suspending residuals.

66. (new) Eggshell membrane product acquired from broken empty eggshells in accordance with the method of claim 62.

67. (new) A process line for inputting broken empty eggshells and outputting liberated eggshell membrane product in accordance with the method of claim 62.